

CLASS:	XII	SUBJECT:	COMPUTER SCIENCE
BOOK:	ISC Computer Science with Java Class XII- Sumita Arora, Dhanpat Rai & Sons.		

FIRST TERM			
Month	T o p i c	Chapters	Periods
APRIL (15)	Boolean Algebra	1	6(Th-3,Pr-3)
MAY (10)	Computer Hardware	2	4(Th-2, Pr-2)
	Objects and Classes	3	
JUNE (10)	Java Revision Tour	4	4(Th-2, Pr-2)
	Primitive Values Typecasting and Expressions	5	
JULY (24)	Statements, Control Structures and scope	6	10(Th-5, Pr-5)
	Functions/ Methods	7	
AUGUST (22)	Arrays/ Strings	8	10(Th-5, Pr-5)
	Compiling and Running of Java Programs	9	
SEPTEMBER (21)	Java Classes: An OOP perspective	10	2(Th-1, Pr-1)
	Recursion	11	
Project (May 2022)	A set of 15 programs to be coded in Java language based on Functions, Library classes, Looping, String Handling, Arrays, File Handling strictly using the following rules: a) Proper comments using mnemonics b) Variable Definition Table c) Screenshots of the outputs of the programs		
Revision Days			12
No. of classes			82

UNIT TEST - 1st Term		
Month	T o p i c	Chapters
(31.07.2026)	Boolean Algebra Computer Hardware Objects and Classes Java Revision Tour Primitive Values Typecasting and Expressions Statements, Control Structures and scope Functions/ Methods Arrays/ Strings	1, 2, 3, 4, 5, 6, 7, 8, 9, 10.

EXAMINATION - 1st Term		
Month	T o p i c	Chapters
Sept	As per the CICSE Council ISC Examination Pattern, the question paper will be out of 70 marks, divided into 2 parts and 3 sections as follows: Part I : Objective type questions of 20 marks	1, 2, 3, ,4, 5, 6, 7, 8, 9, 10, 11

Part II: Sec- A Subjective type questions of 20 marks Sec – B Programs coded in Java Language based on Strings, Number-based Programs, Loops and Conditional Statements of 20 marks Sec – C Programs coded in Java Language based on File Handling and Arrays(both one and twp dimensional)	
---	--

ACTIVITIES

	<p>For Science Stream: Developing Java Applications based on Physics on topics like Magnetism, Sound, Energy, etc.) If time permits, GUI applications in Java will be taught.</p> <p>For Commerce Stream : Developing Java Applications based on Banking Systems.</p>
--	---

SECOND TERM

Month	T o p i c	Chapters	Periods
OCTOBER (16)	Concept of Inheritance Simple Data Structure	12 13	6(Th-3, Pr-3)
NOVEMBER (19)	Recursive Data Structure Computational Complexity	14 15	8(Th-4, Pr-4)
DECEMBER (15)	Revision of Complete ISC Syllabus		6(Th-3, Pr-3)
JANUARY (20)			8(Th-4, Pr-4)
FEBRUARY (20)			8(Th-4, Pr-4)
Project (Jan. 2027)	A set of 15 programs to be coded in Java language based on Functions, Library classes, Looping, String Handling, Arrays, File Handling, Inheritance, Simple Linear and Recursive Data Structures strictly using the following rules: a) Proper comments using mnemonics b) Variable Definition Table c) Screenshots of the outputs of the programs		
Revision Days			4
No. of classes			52

UNIT TEST – 2nd Term

Month	T o p i c	Chapters

EXAMINATION – 2nd Term		
Month	T o p i c	Chapters
Jan	As per the CICSE Council ISC Examination Pattern, the question paper will be out of 70 marks, divided into 2 parts and 3 sections as follows: Part I : Objective type questions of 20 marks Part II: Sec- A Subjective type questions of 20 marks Sec – B Programs coded in Java Language based on Strings, Number-based Programs, Loops and Conditional Statements of 20 marks Sec – C Programs coded in Java Language based on File Handling and Arrays(both one and twp dimensional)	Full ISC Syllabus 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15

ACTIVITIES

--	--